

DaimlerChrysler AG

Patent claims

- 5 1. A body shell (1) of a motor vehicle, in particular of a front and/or a rear region of a motor vehicle, having longitudinal members (7, 8) and crossmembers (6) which are connected to one another and are designed as a flexible bearing system,
- 10 - a standard shell construction (9) of the body shell (1) being provided, and
- differently sized reinforcing members (2) being attachable to the crossmembers (6) in the front and/or rear region of the body shell (1) and
- 15 stiffening the standard shell construction (9) in order to satisfy different country-specific homologation requirements.
2. The standard shell construction as claimed in
- 20 claim 1, characterized in that the reinforcing member (2) is formed from plastic.
3. The standard shell construction as claimed in claim 1, characterized in that the reinforcing member
- 25 (2) is formed from a metallic material.
4. The standard shell construction as claimed in one of claims 1 to 3, characterized in that the reinforcing member (2) is connected to the crossmember (6) via a
- 30 bonding connection, in particular via a sheetlike bonding connection.
5. The standard shell construction as claimed in one of claims 1 to 3, characterized in that the reinforcing
- 35 member (2) is connected to the crossmember (6) via a screw connection.
6. The standard shell construction as claimed in one

of claims 1 to 3, characterized in that the reinforcing member (2) is connected to the crossmember (6) via a welding connection.

5    7.    The standard shell construction as claimed in one of claims 1 to 6, characterized in that a foam system of different thickness can be attached to the reinforcing member (2).

10    8.    The standard shell construction as claimed in one of claims 1 to 7, characterized in that the reinforcing member (2) is supported by one end (4, 5) in each case on the longitudinal members (8, 7) of the standard shell construction (9).

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9.    The standard shell construction as claimed in one of claims 1 to 8, characterized in that the reinforcing member (2) has at least one folding bead (3) for stiffening the reinforcing member (2).